PTO/SB/44 (09-07)
Approved for use through 08/31/2010. OMB 0651-0033
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,155,520

APPLICATION NO.: 09/918,280

ISSUE DATE : December 26, 2006

INVENTOR(S) : Takashi MATSUMOTO

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

(1) Claim 2, column 22, line 65: "...device of die call..."
should be indicated as "...device of the call..."

(2) Claim 2, column 23, line 1: "(B) a module notifying..."
should be indicated as "(E) a module notifying..."

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Katten Muchin Rosenman, LLP.

575 Madison Avenue

New York, NY 10022-2585

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	Takashi MATSUMOTO
U. S. Patent No.	:	7,155,520
Serial No.	:	09/918,280
Issued	:	December 26, 2006
For	:	SPEECH COMMUNICATION...

August 15, 2008

Certificate of Corrections Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REQUEST FOR A CERTIFICATE OF CORRECTION

SIR:

We request a Certificate of Correction under 35 U.S.C. §254, to correct:

(1) Claim 2, column 22, line 65, which was incorrectly listed as **"... device of die call ..."** Please change the same to read: **"... device of the call ..."**

(2) Claim 2, column 23, line 1, which was incorrectly listed as **"(B) a module notifying ..."** Please change the same to read: **"(E) a module notifying ..."**

Attached, please find a copy of the pages with claim 2, column 22 & 23, line 65 & 1 and a copy of the Amendment that was filed with the USPTO on July 12, 2006, which was a response to Office Action February 14, 2006.

This was due to an error made by the USPTO.

Any fee due as a result of this paper, may be charged to Deposit account No. 50-1290.

Respectfully submitted,

/ Dexter T. Chang /

Dexter T. Chang
Reg. No. 44,071

Customer No.: 026304
KATTEN MUCHIN ROSENMAN, LLP
575 Madison Avenue, 15th Floor
New York, NY 10022-2585
(Tel) 212-940-8800
Docket No.: FUJY 18.878(100794-00127)

stores these pieces information in the unillustrated storage device provided in the Web server **53**.

<Step S67> The Web server **53** reads from the unillustrated storage device a piece of address information (corresponding to second address information) of the AP **54** that corresponds to the area information"Tokyo" received from the terminal device **51**. Then, the Web server **53** transmits to the terminal device **51** the HTML file for displaying the call originating screen **19**, which contains the address information and the call identifying information of the AP **54**.

<Step S68> The mobile telephone **31**, when receiving the HTML file, displays on the display the call originating screen **19** based on the HTML file received. The address information and the call identifying information are embedded in between the set of link tags of the HTML file. When the user clicks a button **20** displayed in the call originating screen **19**, the IP telephony software is booted. The IP telephony software originates a call based on the address information of the AP **54**. With this process, the terminal device **51** sends a message containing the call identifying information to the AP **54**.

<Step S69> The AP **54**, upon receiving the message, transmits the call identifying information contained in this message to the Web server **53**.

<Step S70> The Web server **53** judges whether the call identifying information received from the AP **54** is stored or not, and, if stored (in the case of "OK"), transmits to the AP **54** the address information of the terminal device **52** corresponding to the call identifying information.

<Step S71> The AP **54**, when receiving the address information of the terminal device **52** from the Web server **53** originates the call based on this piece of address information (accesses the terminal device **52**) via the special route and the AP **55**.

<Step S72> The AP **54**, upon receiving a response signal, transmits the response signal to the terminal device **51**. The call from the terminal device **51** is thereby received by the terminal device **52**. With respect to this call, when the user of the terminal device **52** answers, the terminal device **52** transmits the response signal to the AP **54** via the AP **55** and the special route.

<Step S73> The AP **54**, when receiving the response signal, transmits the response signal to the terminal device **51**.

<Step S74> When the terminal device **51** receives the response signal, the terminal device **51** and the terminal device **52** become the call state via the APs **54**, **55**. This enables the user of the terminal device **51** to speak to the user of the terminal device **52**.

According to the present invention, the terminal devices **51**, **52** can establish the call each other via the special route provided by the SP and therefore can speak to each other with a higher quality of voices than the call via only the Internet **16**.

Further, in the fourth embodiment also, the Web server **53** notifies the terminal device of the access point (AP) closest to the call originating terminal device (**51** in the above example), and hence the charge needed for the communication from the terminal device to the AP can be restrained down to its minimum.

According to the first through third embodiments discussed above, the SP can restrain the call charge that should be imposed on the SP itself. Moreover, according to the fourth embodiment, the user is able to speak in the state where the predetermined QoS is ensured.

Furthermore, according to the first to fourth embodiments, the following remarkable effects can be obtained.

If the line of the call destination party is busy and there is no answer, the call is not charged a fee.

If the non-registered user accesses, the SP needs not to be burdened with the cal charge.

The optimum communication route (by which to minimize, e.g., the charge) is automatically selected depending on where the user is (the location of the mobile telephone).

The user of the service maybe only notified of the address information (e.g., the URL and the E-mail address) of the server beforehand.

The user is given a chance to browse the advertisement when the service is provided.

What is claimed is:

1. A speech communication service providing system comprising:

a server connected to the Internet; and

a call control unit of speech communications,

said server including:

(A) a module generating, when receiving a piece of first address information as a piece of address information of a destination of a speech communication from a terminal device, a piece of call identifying information corresponding to the first address information;

(B) a module storing the call identifying information and the first address information;

(C) a module notifying said terminal device of the call identifying information and second address information as a piece of address information of said control unit; and

(D) a module notifying, when receiving the call identifying information from said control unit that is the same as call identifying information stored in said storing module, said control unit of the first address information corresponding thereto,

said control unit including:

(a) a module inquiring, when receiving a call including the call identifying information transmitted from said terminal device using the second address information received from said server, said server about the first address information corresponding to the call identifying information included in the call; and

(b) a module performing, when receiving the corresponding first address from said server, processes in order that the call from said terminal device arrives at another terminal device corresponding to the first address information.

2. A speech communication service providing system comprising:

a server connected to the Internet; and

a plurality of call control units of speech communications,

said server including:

(A) a module generating, when receiving a piece of first address information as a piece of address information of a call destination of a speech communication from a terminal device, a piece of call identifying information corresponding to the first address information;

(B) a module storing the call identifying information and the first address information;

(C) a module obtaining second address information as a piece of address information of said control unit corresponding to positional information of said terminal device among said plurality of control units; the

(D) a module notifying said terminal device of ~~the~~ call identifying information and second address information; and

(E)

(B) a module notifying, when receiving the call identifying information from said control unit that is the same as call identifying information stored in said storing module, said control unit of the first address information corresponding thereto,

said control unit including:

(a) a module inquiring, when receiving a call including the call identifying information transmitted from said terminal device using the second address information received from said server, said server about the first address information corresponding to the call identifying information included in the call; and

(b) a module performing, when receiving the corresponding first address from said server, processes in order that the call from said terminal device arrives at another terminal device corresponding to the first address information.

3. A speech communication service providing system according to claim **2**, wherein said server receives the positional information of said terminal device from said terminal device.

4. A speech communication service providing system according to claim **2**, wherein said server obtains the positional information of said terminal device by inquiring a service enterprise for providing the speech communication service for said terminal device about the positional information of said terminal device.

5. A speech communication service providing system according to claim **1**, wherein said control unit transmits, only when receiving a response signal from said another terminal device receiving the call from said terminal device, a response signal, which corresponds to the call from said terminal device, to said terminal device.

6. A speech communication service providing system according to claim **1**, wherein said terminal device is a mobile telephone having an Internet connecting function.

7. A speech communication service providing system according to claim **1**, wherein said terminal device and said another terminal device are computers having the Internet connecting function and an Internet telephony function, and said control unit is an access point to the Internet.

8. A speech communication service providing system according to claim **1**, wherein the second address information is a piece of called party charge address information, and

an installer of said control unit is burdened with a part or the whole of a charge for the speech communication between said terminal device and said another terminal device.

9. A speech communication service providing system according to claim **1**, wherein said server gives said terminal device the call identifying information and the second address information in a way that is visually unrecognizable by a user of said terminal device, and

said control unit receives the call transmitted based on an instruction inputted in a state where the user of said terminal device does not know the call identifying information and the second address information.

10. A speech communication service providing system according to claim **1**, wherein said server gives advertisement information to said terminal device and notifies said terminal device of the call identifying information and the second address information on condition that a user of said terminal device is to browse the advertisement information.

11. A speech communication service providing system according to claim **1**, wherein said server transmits a request for user authentication information to said terminal device and, only when the user authentication information received from said terminal device is valid, notifies said terminal device of the call identifying information and the second address information.

12. A speech communication service providing system according to claim **2**, wherein address information of a control unit closest to a position of said terminal device is obtained as the second address information corresponding to the positional information of said terminal device.

13. A speech communication service providing system according to claim **12**, wherein said plurality of control units are connected to each other via a relay line, and

when said control unit closest to the position of said terminal device is different from a control unit closest to said another terminal device, said control unit corresponding to the second address information performs processes in order that the call from said terminal device arrives at said another terminal device via the relay line of said control unit closest to said another terminal device.

14. A speech communication service providing system comprising:

a server connected to the Internet; and

first and second access points to the Internet, said first and second access points being connected via a special route where a predetermined quality of communications is ensured,

first and second terminal devices each having an Internet connecting module and an Internet telephony module and being connected respectively to said first and second access points,

said server including:

(A) a generating module generating, when receiving a piece of first address information as a piece of address information of said second terminal device from said first terminal device, call identifying information corresponding to the first address information;

(B) a module storing the call identifying information and the first address information;

(C) a module notifying said first terminal device of the call identifying information and second address information as a piece of address information of said first access point; and

(D) a module notifying, when receiving the call identifying information from said first access point that is the same as call identifying information stored in said storing module, said first access point of the first address information corresponding thereto,

said first access point including:

(a) a module inquiring, when receiving a call including the call identifying information transmitted from said first terminal device using the second address information received from said server, said server about the first address information corresponding to the call identifying information contained in this call; and

(b) a module performing, when receiving the corresponding first address information from said server, processes in order that the call from said first terminal device arrives at said second terminal device corresponding to the first address information via the special route and said second access point.

15. A call service providing system according to claim **8**, wherein said control unit is installed by an enterprise, and said terminal device is a mobile telephone individually owned by an employee.

16. A speech communication service providing system according to claim **2**, wherein said control unit transmits,

RECEIVED
CENTRAL FAX CENTER

JUL 12 2006

Certification of Facsimile Transmission
I hereby certify that this paper is being sent by facsimile transmission to the U.S. Patent and Trademark Office on July 12, 2006.

Barbara Felton
Barbara Felton

Attorney Docket No.: FUJY 18.878 (100794-00127)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s):	Takashi MATSUMOTO
Confirmation No.:	2410
Serial No.:	09/918,280
Filed:	7/30/2001
Title:	SPEECH COMMUNICATION SERVICE PROVIDING SYSTEM
Examiner:	Sean M. Reilly
Group Art Unit:	2153

July 12, 2006

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE TO OFFICE ACTION

SIR:

Applicant hereby petitions for a three-month extension of time, a petition pursuant to 37 CFR 1.136(a) and a requisite fee being enclosed.

In response to the *Ex parte Quayle* Office Action dated February 14, 2006, please amend the subject application as follows:

1. **(currently amended)** A speech communication service providing system comprising:

a server connected to the Internet; and

a call control unit of speech communications,

said server including:

(A) a module [[of]] generating, when receiving a piece of first address information as a piece of address information of a destination of a speech communication from a terminal device, a piece of call identifying information corresponding to the first address information;

(B) a module [[of]] storing the call identifying information and the first address information;

(C) a module [[of]] notifying said terminal device of the call identifying information and second address information as a piece of address information of said control unit; and

(D) a module [[of]] notifying, when receiving the call identifying information from said control unit, ~~if~~ that is the same as call identifying information [[is]] stored in said storing module, said control unit of the first address information corresponding thereto,

said control unit including:

(a) a module [[of]] inquiring [[of]], when ~~receives~~ receiving a call including [[a]] the call identifying information transmitted from said terminal device, ~~said terminal device transmitting the call~~ using the second address information received from said server, said server about the first address information corresponding to the call identifying information included in the call; and

(b) a module [[of]] performing, when receiving the corresponding first address from said server, processes in order that the call from said terminal device arrives at another terminal device corresponding to the first address information.

2. **(currently amended)** A speech communication service providing system comprising:

a server connected to the Internet; and

a plurality of call control units of speech communications,

said server including:

(A) a module [[of]] generating, when receiving a piece of first address information as a piece of address information of a call destination of a speech communication from a terminal device, a piece of call identifying information corresponding to the first address information;

(B) a module [[of]] storing the call identifying information and the first address information;

(C) a module [[of]] obtaining second address information as a piece of address information of said control unit corresponding to positional information of said terminal device among said plurality of control units;

(D) a module [[of]] notifying said terminal device of the call identifying information and second address information; and

(E) a module [[of]] notifying, when receiving the call identifying information from said control unit~~, if~~ that is the same as call identifying information [[is]] stored in said storing module, said control unit of the first address information corresponding thereto,

said control unit including:

(a) a module [[of]] inquiring [[of]], when receiving a call including the call identifying information transmitted from said terminal device~~, said terminal device transmitting the call~~ using the second address information received from said server, said server about the first address information corresponding to the call identifying information included in the call; and

(b) a module [[of]] performing, when receiving the corresponding first address from said server, processes in order that the call from said terminal device [[to]] arrives at another terminal device corresponding to the first address information.

3. (original) A speech communication service providing system according to claim 2, wherein said server receives the positional information of said terminal device from said terminal device.

4. **(currently amended)** A speech communication service providing system according to claim 2, wherein said server obtains the positional information of said terminal device by inquiring [[of]] a service enterprise for providing the speech communication service for said terminal device about the positional information of said terminal device.

5. **(currently amended)** A speech communication service providing system according to claim 1, wherein said control unit transmits, only when receiving a response signal from said another terminal device receiving the call from said terminal device, a response signal~~, corresponding~~ which corresponds to the call from said terminal device, to said terminal device.

84147932_1

6. (original) A speech communication service providing system according to claim 1, wherein said terminal device is a mobile telephone having an Internet connecting function.

7. (original) A speech communication service providing system according to claim 1, wherein said terminal device and said another terminal device are computers having the Internet connecting function and an Internet telephony function, and

said control unit is an access point to the Internet.

8. (original) A speech communication service providing system according to claim 1, wherein the second address information is a piece of called party charge address information, and

an installer of said control unit is burdened with a part or the whole of a charge for the speech communication between said terminal device and said another terminal device.

9. **(currently amended)** A speech communication service providing system according to claim 1, wherein said server gives said terminal device the call identifying information and the second address information in a way that ~~makes these pieces of information~~ is visually unrecognizable by ~~the~~ a user of said terminal device, and

said control unit receives the call transmitted based on an instruction inputted in a state where the user of said terminal device does not know the call identifying information and the second address information.

10. **(currently amended)** A speech communication service providing system according to claim 1, wherein said server gives advertisement information to said terminal device and notifies said terminal device of the call identifying information and the second address information on condition that [[the]] a user of said terminal device is to browse the advertisement information.

11. (original) A speech communication service providing system according to claim 1, wherein said server transmits a request for user authentication information to said terminal device and, only when the user authentication information received from said terminal device is valid, notifies said terminal device of the call identifying information and the second address information.

12. **(currently amended)** A speech communication service providing system according to claim 2, wherein address information of [[said]] a control unit closest to a position of said terminal device is obtained as the second address information corresponding to the positional information of said terminal device.

13. **(currently amended)** A speech communication service providing system according to claim 12, wherein said plurality of control units are connected to each other via a relay line, and

[[if]] when said control unit closest to the position of said terminal device is different from [[said]] a control unit closest to said another terminal device, said control unit corresponding to the second address information performs processes in order that the call from

said terminal device arrives at said another terminal device via the relay line of said control unit closest to said another terminal device.

14. **(currently amended)** A speech communication service providing system comprising:

a server connected to the Internet; and

first and second access points to the Internet, said first and second access points being connected via a special route where a predetermined quality of communications is ensured,

first and second terminal devices each having an Internet connecting module and an Internet telephony module and being connected respectively to said first and second access points,

said server including:

(A) a generating module [[of]] generating, when receiving a piece of first address information as a piece of address information of said second terminal device from said first terminal device, call identifying information corresponding to the first address information;

(B) a module [[of]] storing the call identifying information and the first address information;

(C) a module [[of]] notifying said first terminal device of the call identifying information and second address information as a piece of address information of said first access point; and

(D) a module [[of]] notifying, when receiving the call identifying information from said first access point ~~and if~~ that is the same as call identifying information [[is]] stored in said storing module, said first access point of the first address information corresponding thereto,

said first access point including:

(a) a module [[of]] inquiring [[of]], when receiving a call including the call identifying information transmitted from said first terminal device, ~~said first terminal device transmitting the call~~ using the second address information received from said server, said server about the first address information corresponding to the call identifying information contained in this call; and

(b) a module [[of]] performing, when receiving the corresponding first address information from said server, processes in order that the call from said first terminal device arrives at said second terminal device corresponding to the first address information via the special route and said second access point.

15. (original) A call service providing system according to claim 8, wherein said control unit is installed by an enterprise, and

said terminal device is a mobile telephone individually owned by an employee.

16. **(currently amended)** A speech communication service providing system according to claim 2, wherein said control unit transmits, only when receiving a response signal from said another terminal device receiving the call from said terminal device, a response signal, ~~corresponding~~ which corresponds to the call from said terminal device, to said terminal device.

17. (original) A speech communication service providing system according to claim 2, wherein said terminal device is a mobile telephone having an Internet connecting function.

84147932_1

18. (original) A speech communication service providing system according to claim 2, wherein said terminal device and said another terminal device are computers having the Internet connecting function and an Internet telephony function, and

said control unit is an access point to the Internet.

19. (original) A speech communication service providing system according to claim 2, wherein the second address information is a piece of called party charge address information, and

an installer of said control unit is burdened with a part or the whole of a charge for the speech communication between said terminal device and said another terminal device.

20. **(currently amended)** A speech communication service providing system according to claim 2, wherein said server gives said terminal device the call identifying information and the second address information in a way that ~~makes these pieces of information~~ is visually unrecognizable by [[the]] a user of said terminal device, and

said control unit receives the call transmitted based on an instruction inputted in a state where the user of said terminal device does not know the call identifying information and the second address information.

21. **(currently amended)** A speech communication service providing system according to claim 2, wherein said server gives advertisement information to said terminal device and notifies said terminal device of the call identifying information and the second address

information on condition that [[the]] a user of said terminal device is to browse the advertisement information.

22. (original) A speech communication service providing system according to claim 2, wherein said server transmits a request for user authentication information to said terminal device and, only when the user authentication information received from said terminal device is valid, notifies said terminal device of the call identifying information and the second address information.

REMARKS

Claims 1-22 are pending in the application. Applicant amends claims 1-2, 4-5, 9-10, 12-14, 16, and 20-21 for formality. No new matter has been added.

Applicant acknowledges with appreciation the Examiner's allowance of the claims pending formality matters, which Applicant addresses by the present response.

The Examiner conducted a telephone interview on July 5, 2006 with Applicant's undersigned representative, Mr. Dexter Chang (Reg. No. 44,071), to review proposed amendments to overcome the formality objections of pending claims 1-22. Applicant and Mr. Chang thank the Examiner for his time and consideration. The Examiner informed Mr. Chang during the interview that the proposed amendments were acceptable pending a thorough final review. Accordingly, Applicant amends the claims in accordance with the proposal that was accepted by the Examiner in the interview.

In view of the remarks set forth above, this application is in condition for allowance which action is respectfully requested. However, if for any reason the Examiner should consider this application not to be in condition for allowance, the Examiner is respectfully requested to telephone the undersigned attorney at the number listed below prior to issuing a further Action.

Any fee due with this paper may be charged to Deposit Account No. 50-1290.

Respectfully submitted,

Dexter T. Chang
Reg. No. 44,071

CUSTOMER NUMBER 026304
Telephone: (212) 940-6384
Fax: (212) 940-8986 or 8987
Docket No.: FUJY 18.878 (100794-00127)
DTC:bf